THERMOCHIMICA ACTA VOLUME 174 (1991)

AUTHOR INDEX

Atake, T., 281

Casagrande, S., 9

Fedorov, V.Ye., 71
Felner, I., 41

Gallagher, P.K., 85
Gavrichev, K.S., 27
Gömöry, F., 299
Gorbunov, V.E., 27
Grader, G.S., 239
Greenberg, J.H., 27

Hayashi, T., 169
Hirano, S.-I., 169
Holba, P., 99

Johnson, Jr., D.W., 239

Kamarád, J., 99
Kamimoto, M., 153
Kawai, M., 269
Klimenko, A.G., 71
Komatsu, T., 131

Lazarev, V.B., 27
Licci, F., 115

Matusita, K., 131

Nadtochii, Ju.G., 27
Nevřiva, M., 99

O'Bryan, H.M., 223
Ozawa, T., 185

Pollert, E., 99

Reller, A., 9

Scheel, H.J., 115
Sěsták, J., 99, 253
Shaplygin, I.S., 27
Sleight, A.W., 1
Slutskii, P.Z., 27
Strnad, Z., 253

Tříska, A., 99

Uchida, T., 201

Wakihara, M., 201

THERMOCHIMICA ACTA, VOLUME 174 (1991)

SUBJECT INDEX

$Ba_2YCu_3O_{7-\delta}$
Chemical processing of the high-temperature superconductor $Ba_2YCu_3O_{7-\delta}$ through solution routes and thermal behaviour on pyrolysis, 169

Ceramics
Sintering and expansion of HTSC ceramics, 223

Charge distribution effects
Charge distribution, pressure and composition effects of CuO_x based superconductors, 99

Chemical processing
Chemical processing of the high-temperature superconductor $Ba_2YCu_3O_{7-\delta}$ through solution routes and thermal behaviour on pyrolysis, 169

Chemical substitution
The effect of chemical substitution on superconductivity in the $YBa_2Cu_3O_7$, 41

Chemical vapor deposition
Volatility of metal β-diketonates for chemical vapor deposition of oxide superconductors, 185

Chevrel phase sulfides
Thermal behavior of the Chevrel phase sulfides, 201

Composition effects
Charge distribution, pressure and composition effects of CuO_x based superconductors, 99

Copper oxide phases
Structural properties and thermochemical reactivity of superconducting mixed copper oxide phases, 9

Crystal growth
Phase diagrams and crystal growth of oxide superconductors, 115

CuO_x based superconductors
Charge distribution, pressure and composition effects of CuO_x based superconductors, 99

Epitaxially grown cuprate superconductor films
Epitaxially grown cuprate superconductor films and further attempts at their design, 269

Expansion
Sintering and expansion of HTSC ceramics, 223

Forming methods
Forming methods for high T_c superconductors, 239

Gas–solid reactions
Oxidation–reduction and other gas–solid reactions of high-T_c superconductors, 85

Glass formation
On continuous oxide superconductor wire preparation by melt fast solidification and glass formation, 253

Glass-ceramics
High-T_c superconducting glass-ceramics, 131

Halogens
Intercalation of halogens into the lattice of $YBa_2Cu_3O_{7-x}$ phases and substitution of halogens for oxygen atoms, 71

Heat capacities
Heat capacities of high-T_c oxide superconductors, 281

Magnetic measurements
Low frequency magnetic measurements on high-T_c superconducting materials, 299

Melt fast solidification
On continuous oxide superconductor wire preparation by melt fast solidification and glass formation, 253

Metal β-diketonates
Volatility of metal β-diketonates for chemical vapor deposition of oxide superconductors, 185

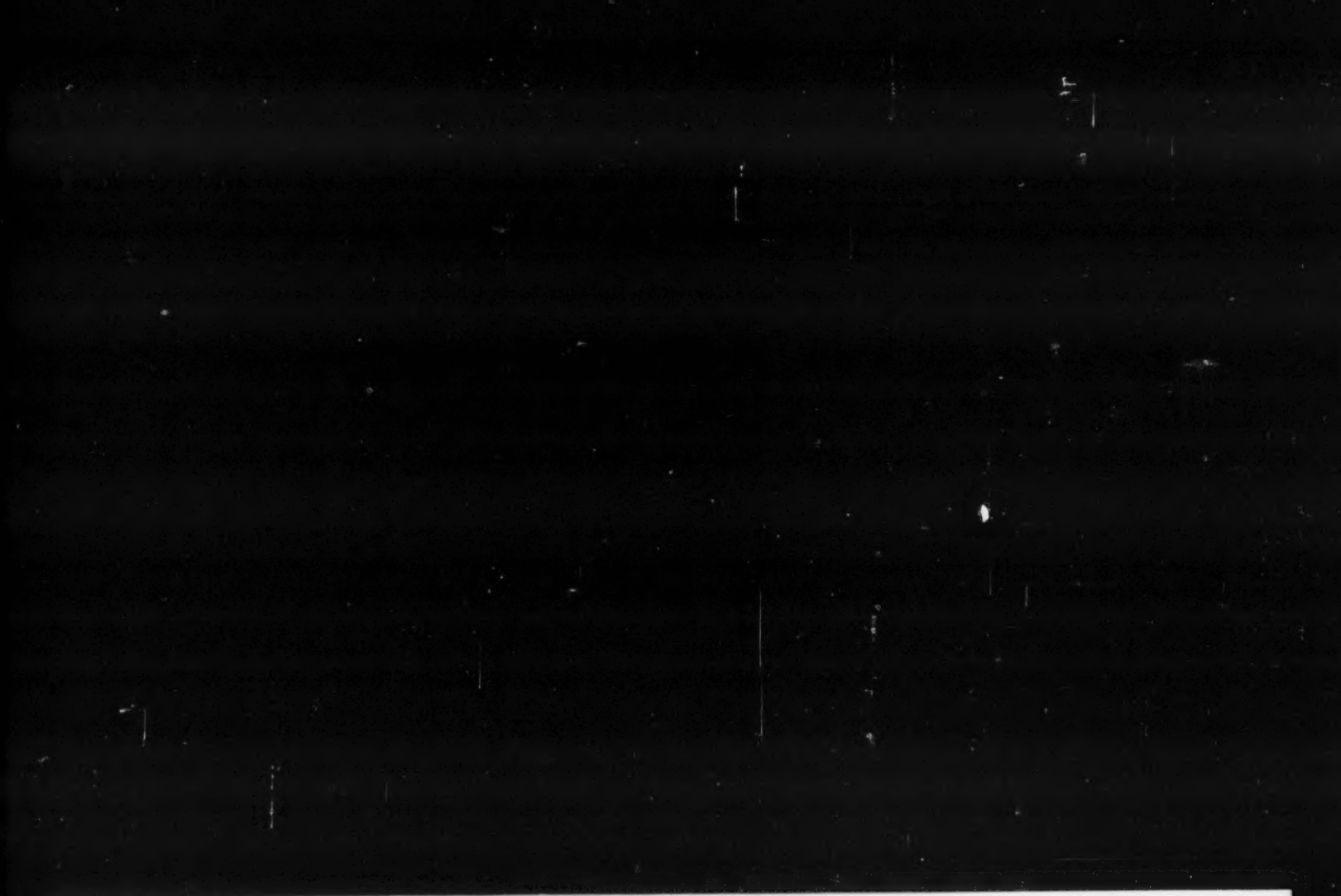
Oxidation–reduction
Oxidation–reduction and other gas–solid reactions of high-T_c superconductors, 85

Oxide superconductor wire preparation
On continuous oxide superconductor wire

preparation by melt fast solidification and glass formation, 253
Oxide superconductors
Heat capacities of high-T_c oxide superconductors, 281
Oxide superconductors, 1
Phase diagrams and crystal growth of oxide superconductors, 115
Thermoanalytical observations on synthesis of oxide superconductors, 153
Volatility of metal β-diketonates for chemical vapor deposition of oxide superconductors, 185
Oxygen atoms
Intercalation of halogens into the lattice of $YBa_2Cu_3O_{7-x}$ phases and substitution of halogens for oxygen atoms, 71

Phase diagrams
Phase diagrams and crystal growth of oxide superconductors, 115
Pressure effects
Charge distribution, pressure and composition effects of CuO_x based superconductors, 99
Pyrolysis
Chemical processing of the high-temperature superconductor $Ba_2YCu_3O_{7-\delta}$ through solution routes and thermal behaviour on pyrolysis, 169

Sintering
Sintering and expansion of HTSC ceramics, 223

Thermal behavior
Thermal behavior of the Chevrel phase sulfides, 201
Thermoanalytical observations
Thermoanalytical observations on synthesis of oxide superconductors, 153
Thermochemical reactivity
Structural properties and thermochemical reactivity of superconducting mixed copper oxide phases, 9
Thermodynamics
Thermodynamics of high-T_c superconductors, 27

$YBa_2Cu_3O_{7-x}$
Intercalation of halogens into the lattice of $YBa_2Cu_3O_{7-x}$ phases and substitution of halogens for oxygen atoms, 71
$YBa_2Cu_3O_7$
The effect of chemical substitution on superconductivity in the $YBa_2Cu_3O_7$, 41